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10/075,096	10/29/2001	Carl E. Whitcomb	WHIT/0002	7255

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01/14/2004

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EXAMINER

NGUYEN, SON T

ART UNIT	PAPER NUMBER
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3643

DATE MAILED: 01/14/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/075,096

Applicant(s)

WHITCOMB, CARL E.

Examiner

Son T. Nguyen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

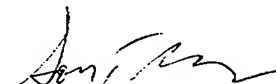
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 07 November 2003.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-65 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-65 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.


Prim. Exm. 3643

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 29 October 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. **Claims 1,2,4,13-16,18,19,29,30,41,46,48,49,53,63** rejected under 35 U.S.C. 102(b) as being anticipated by Berlitz et al. (GB 2073567A).

For claims 1 & 48, Berlitz et al. disclose a root growth barrier comprising a layer of a root-tip-trapping material 11,14 bonded to a layer of a root-impenetrable material 12,13.

For claim 2, Berlitz et al. further disclose the root-impenetrable material is water-impenetrable (page 2, line 11, the material 112 is made out of a PVC material which is water impenetrable).

For claim 4, Berlitz et al. further disclose the root-tip-trapping material being polypropylene which is a porous fabric.

For claim 13, Berlitz et al. further disclose the porous fabric being opaque (page 1, lines 101-105).

For claim 14, Berlitz et al. further disclose the porous fabric being black (page 1, line 103).

For claim 15, Berlitz et al. further disclose laminating the materials 11,12,13,14 together (page 1, lines 127-130).

For claim 16, Berlitz et al. further disclose the root-impenetrable material being a plurality of layers 12,13.

For claim 18, Berlitz et al. further disclose the root-impenetrable material being a polymer sheet (page 2, lines 1-11).

For claim 19, Berlitz et al. further disclose the root-impenetrable material being polypropylene (page 2, lines 1-2).

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For claim 29, Berlit et al. disclose an apparatus comprising a root-impenetrable material container 12,13 and a root-tip-trapping material 11,14 bonded to a inner wall of the container.

For claim 30, Berlit et al. further discloses the container is formed into a shape as shown in fig. 1.

For claim 41, Berlit et al. further discloses the root-tip-trapping material 11,14 being black (page 1, lines 100-105).

For claim 46, Berlit et al. disclose a method of growing a plant in a pot 10 comprising the steps of disposing a bilayer root growth barrier consisting essentially of a root-tip-trapping inner material 11,14 bonded to a root-impenetrable material 12,13; disposing a growth medium adjacent to the root growth barrier; and adding a plant to the growth medium.

For claim 49, Berlit et al. disclose a root growth barrier comprising a polymer sheet 12,13 having a surface bonded to a porous fabric 11,14.

For claim 53, Berlit et al. disclose the fabric being polypropylene (page 2, lines 1-10).

For claim 63, Berlit et al. further discloses the root-tip-trapping material being a plurality of strata 11,14.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. **Claims 3,5-7,25,26,31,32,50,51,64,65** are rejected under 35 U.S.C. 103(a) as being unpatentable over Berlit et al. (as above).

For claims 3 & 65, Berlit et al. are silent about the root-tip-trapping material being greater than 10 or 100 root-tip-trapping elements per square inch. It would have been obvious to one having ordinary skill in the art at the time the invention was made to

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have the root-tip-trapping material of Berlitz et al. being greater than 10 or 100 root-tip-trapping elements per square inch, since it has been held that where routine testing and general experimental conditions are present, discovering the optimum or workable ranges until the desired effect (how many roots one wishes to trap in the material) is achieved involves only routine skill in the art.

For claims 5,6,50, Berlitz et al. are silent about the porous fabric (polypropylene) having a certain or specific weight per square yard. It would have been obvious to one having ordinary skill in the art at the time the invention was made to have the porous fabric of Berlitz et al. be a certain or specific weight per square yard, since it has been held that where routine testing and general experimental conditions are present, discovering the optimum or workable ranges until the desired effect is achieved involves only routine skill in the art.

For claims 7 & 51, Berlitz et al. are silent about the porous fabric (polypropylene) having openings between 1/16 and 1/4 inch. It would have been obvious to one having ordinary skill in the art at the time the invention was made to have the openings in the porous fabric of Berlitz et al. be between 1/16 and 1/4 inch, since it has been held that where routine testing and general experimental conditions are present, discovering the optimum or workable ranges until the desired effect (how many roots one wishes to trap in the material) is achieved involves only routine skill in the art.

For claims 25,26, & 64, Berlitz et al. are silent about the root-impenetrable material having a certain or specific thickness. It would have been obvious to one having ordinary skill in the art at the time the invention was made to have the root-impenetrable material of Berlitz et al. be a certain or specific thickness, since it has been held that where routine testing and general experimental conditions are present, discovering the optimum or workable ranges until the desired effect is achieved involves only routine skill in the art. For claim 64, see explanation for claim 2 above.

For claims 31 & 32, Berlitz et al. are silent about the container having a certain or specific diameter. It would have been obvious to one having ordinary skill in the art at the time the invention was made to have container of Berlitz et al. be a certain or specific diameter, since it has been held that where routine testing and general experimental

conditions are present, discovering the optimum or workable ranges until the desired effect (for accommodating different size plants) is achieved involves only routine skill in the art.

5. **Claims 8-11,33-35,42,44,52** are rejected under 35 U.S.C. 103(a) as being unpatentable over Berlitz et al. (as above) in view of Reiger (US 6202348).

For claims 8,33,52, it is uncertain if the polypropylene fabric of Berlitz et al. is a spun bonded, needle punched fabric or not. Reiger teaches a root barrier in which he employs a spun bonded needle punched porous fabric (col. 8, lines 64-67 and col. 9, lines 1-15). It would have been obvious to one having ordinary skill in the art at the time the invention was made to employ a spun bonded, needle punched fabric as taught by Reiger in place of the polypropylene porous fabric of Berlitz et al., since it has been held to be within the general skill of a worker in the art to select a known material on the basis of its suitability for the intended use as a matter of obvious choice, for both material will trap roots.

For claim 9, Berlitz et al. as modified by Reiger disclose polyester (Reiger, col. 9, line 8), polypropylene (Berlitz, page 2, lines 1-10) or olefin fiber (Reiger, col. 9, line 7).

For claims 10 & 42, in addition to the above, Reiger teaches woven fabric for the porous fabric (col. 6, line 50). It would have been obvious to one having ordinary skill in the art at the time the invention was made to employ a woven fabric as taught by Reiger in place of the polypropylene porous fabric of Berlitz et al., since it has been held to be within the general skill of a worker in the art to select a known material on the basis of its suitability for the intended use as a matter of obvious choice, for both material will trap roots.

For claim 11, Berlitz et al. as modified by Reiger (both) teach the porous fabric being degradable.

For claims 34 & 35, Berlitz et al. as modified by Reiger are silent regarding certain or specific fabric density. It would have been obvious to one having ordinary skill in the art at the time the invention was made to have certain or specific fabric density in the fabric of Berlitz et al. as modified by Reiger, since it has been held that where routine

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testing and general experimental conditions are present, discovering the optimum or workable ranges until the desired effect is achieved involves only routine skill in the art.

For claim 44, in addition to the above, Reiger teaches a container being a grow bag 10. It would have been obvious to one having ordinary skill in the art at the time the invention was made to employ a grow bag as taught by Reiger in place of the container of Berlitz et al. as modified by Reiger in order to provide ease of handling.

6. **Claim 12** is rejected under 35 U.S.C. 103(a) as being unpatentable over Berlitz as modified by Reiger as applied to claim 1 above, and further in view of Thomas (US 5311700). Berlitz et al. as modified by Reiger are silent about the porous fabric being cotton. Thomas teaches a root growth barrier such as a container for a plant in which he employed cotton for a root-growth resistant material 50 (col. 5, line 11). It would have been obvious to one having ordinary skill in the art at the time the invention was made to employ cotton as taught by Thomas as the preferred material for the porous fabric of Berlitz et al. as modified by Reiger, since it has been held to be within the general skill of a worker in the art to select a known material on the basis of its suitability for the intended use (to trap and resist root growth) as a matter of obvious design choice.

7. **Claims 17,21,22,24,54** are rejected under 35 U.S.C. 103(a) as being unpatentable over Berlitz et al. (as above) in view of Van der Goobergh (EP 300578 A3).

For claim 17, Berlitz et al. are silent about the root-impenetrable material being reflective. Van der Goobergh teaches a seed trough having two layers 5,6 that are coated with a reflective material (page 2, col. 2, lines 7-16). It would have been obvious to one having ordinary skill in the art at the time the invention was made to employ a reflective material as taught by Van der Goobergh on the root-impenetrable material of Berlitz et al. in order to reflect light and thus prevent harm to the roots.

For claims 21 & 22, in addition to the above, Van der Goobergh further discloses aluminum foil (which is a metal foil) on the outer layer 6 of the plant container to reflect harmful light away from the plant (see abstract). It would have been obvious to one having ordinary skill in the art at the time the invention was made to employ aluminum foil as taught by Van der Goobergh as the preferred material for the root-impenetrable material of Berlitz et al. in order to reflect harmful light away from the plant.

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For claims 24 & 54, in addition to the above, Van der Goorbergh further discloses the root-impenetrable material 6 being a polymer sheet and the sheet is white (col. 2, line 55 and col. 3, line 1). It would have been obvious to one having ordinary skill in the art at the time the invention was made to employ a white polymer sheet as taught by Van der Goorbergh as the preferred material for the root-impenetrable material of Berlitz et al. in order to reflect harmful light away from the plant (col. 2, lines 54-55).

8. **Claims 20,23,27,28,36-40,55,56** are rejected under 35 U.S.C. 103(a) as being unpatentable over Berlitz et al. (as above) in view of Flasch, Jr. (US 5,852,896).

For claim 20, Berlitz et al. are silent about the root-impenetrable material being metal. Flasch, Jr. teaches a plant container comprising a root-impenetrable material 28 that is made out of metal (col. 12, line 38). It would have been obvious to one having ordinary skill in the art at the time the invention was made to employ metal as taught by Flasch, Jr. as the preferred material for the root-impenetrable material of Berlitz et al., since it has been held to be within the general skill of a worker in the art to select a known material on the basis of its suitability for the intended use (strength and durability features of metal) as a matter of obvious choice. In re Leshin, 125 USPQ 416.

For claim 23, in addition to the above, Flasch further teaches using a UV inhibitor to provide UV light stability (col. 12, line 45) in the preferred material for his root-impenetrable layer 28 to block out harmful UV light or radiation. It would have been obvious to one having ordinary skill in the art at the time the invention was made to employ a UV inhibitors to provide high UV stability as taught by Flasch, Jr. in the root-impenetrable layer of R Berlitz et al. in order to block out harmful UV light or radiation.

For claims 27,28, Berlitz et al. is silent about the root-impenetrable material being biodegradable. In addition to the above, Flasch further discloses the root-impenetrable material 6 being biodegradable (col. 12, line 38, where Flasch discusses the material can be wood which is biodegradable). It would have been obvious to one having ordinary skill in the art at the time the invention was made to employ wood as taught by Flasch as the preferred material for the root-impenetrable material of Berlitz et al. because wood is biodegradable and environmentally friendly.

For claims 36 & 55, in addition to the above, Flasch further discloses the container being made out of polyethylene (col. 12, line 44). It would have been obvious to one having ordinary skill in the art at the time the invention was made to employ polyethylene as taught by Flasch as the preferred material for the container 125 of Berlitz et al., since it has been held to be within the general skill of a worker in the art to select a known material on the basis of its suitability for the intended use as a matter of obvious choice. Note, Berlitz et al. teach laminating as explained in the above.

For claims 37,38,56, Berlitz et al. as modified by Flasch are silent about the polyethylene having a thickness between 2 and 10 mils or between 3 and 5 mils. It would have been obvious to one having ordinary skill in the art at the time the invention was made to have the thickness of the polyethylene of Berlitz et al. as modified by Flasch being between 2 and 10 mils or between 3 and 5 mils, since it has been held that where routine testing and general experimental conditions are present, discovering the optimum or workable ranges involves only routine skill in the art.

For claims 39,40, in addition to the above, Flasch further teaches using a UV inhibitor to provide UV light stability (col. 12, line 45) in the preferred material for his root-impenetrable layer 28 to block out harmful UV light or radiation. It would have been obvious to one having ordinary skill in the art at the time the invention was made to employ a UV inhibitors to provide high UV stability as taught by Flasch, Jr. in the polyethylene of Berlitz et al. as modified by Flasch in order to block out harmful UV light or radiation.

9. **Claim 43** is rejected under 35 U.S.C. 103(a) as being unpatentable over Berlitz et al. (as above) in view of Kalpin (US 3,094,810). Berlitz et al. are silent about the container being assembled by sewing. Kalpin teaches a container for plant made out of semi-rigid sheets of material such as paper or cloth that are sewed together to form the container (col. 1, lines 62-71). It would have been obvious to one having ordinary skill in the art at the time the invention was made to employ a container made up of semi-rigid sheets that are sewed together as taught by Kalpin in place of the container of Berlitz et al. in order to provide a container that is easy to store and reduce shipping costs (col. 1, lines 13-15 of Kalpin).

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10. **Claim 45** is rejected under 35 U.S.C. 103(a) as being unpatentable over Berlitz as modified by Reiger as applied to claim 33 above, and further in view of Billings (US 6,223,466 B1). Berlitz et al. as modified by Reiger are silent about the container being a production pot in pot-in-pot production. Billings teaches a planting system that is a production pot-in-pot in which a primary pot 20 is installed in a soil and a second pot 12 is inserted into the primary pot for purpose of growing a tree or shrub (see abstract). It would have been obvious to one having ordinary skill in the art at the time the invention was made to have the container of Berlitz et al. as modified by Reiger be a production pot in pot-in-pot production as taught by Billings in order to allow a user with the versatility of placing and removing the inner pot from the outer pot whenever desired and to interchanged from one location to another location by replacing one inner container from an outer container with another similar inner container (see abstract of Billings).

11. **Claims 47,57,59,60-62** are rejected under 35 U.S.C. 103(a) as being unpatentable over Berlitz et al. (as above) in view of Reiger (as above) and Flasch (as above). See the above for explanation. The biodegradable concept and polyethylene are taught by Flasch and the in ground and spun bonded needle punched fabric are taught by Reiger (col. 4, lines 4-38).

12. **Claim 58** is rejected under 35 U.S.C. 103(a) as being unpatentable over Berlitz as modified by Reiger and Flasch as applied to claim 57 above, and further in view of Van der Goorbergh (as above). See the above for explanation. Van der Goorbergh teaches white outer sheet.

Response to Arguments

13. Applicant's arguments filed 11/07/03 have been fully considered but they are not persuasive.

Applicant argued that there is no support for the Examiner's assertion that Berlitz's layers 11 and 14 are root-tip-trapping material and that Berlitz's layers 12 and 13 are root-impenetrable material. On page 1, line 130 and page 2, lines 1-11, Berlitz states that all layers 11-14 can be made of the same or different material such as polypropylene, which is the same material as claimed by Applicant. Attached herein is a

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definition of polypropylene from the Microsoft Basic Dictionary which states that polypropylene is "a fabric of fibers made from any of these resins [thermoplastic resins that are polymers of propylene]". From this definition, the polypropylene of Berlit is a fabric material made of fibers from various thermoplastic resins. Applicant claimed the same material, i.e. polypropylene; therefore, why is that Applicant's polypropylene is fabric and Berlit's polypropylene is not? Applicant's claim language broadly claimed polypropylene without further defining which of the various resins being used to make the polypropylene; therefore, the Examiner interprets the claim as broadly as it is being claimed.

Applicant argued that Berlit makes no suggestion to use a root-tip-trapping layer, and his teaching that the layers are co-extruded leads away from the use of a root-tip-trapping layer because these co-extruded thermoplastic layers would not trap roots. As explained above, Berlit teaches the same material, polypropylene, as claimed by applicant as a root-tip-trapping material, therefore, the material of Berlit can perform the same as claimed by Applicant, as a root-tip-trapping material. It is not understood how layers that are co-extruded as in Berlit would not trap roots because co-extruding the layers in Berlit's invention is just for bonding the layers together to form a multi-layers flower pot as shown in the figures. The surface in contact with a growing medium of the root-tip-trapping material 11 in Berlit is not extruded, so why can it not trap root tip since the material is a fabric as stated above of the definition of polypropylene. The only extruded area is between the layers for a bonding so the Examiner can see that in this bonded area, the surface is relatively smooth and continuous interfaces between layers would not trap root tips. The roots would grow into the layer 11 and would not travel anymore since layer 12 is root impenetrable material due to the extrusion method as explained by Applicant. Therefore, layer 12 of Berlit is the root impenetrable material and layer 11 is the root-tip-trapping material. The only zone or area that would not trap roots is where layers 11 and 12 are bonded, which is not what the Examiner is calling root-tip-trapping material as explained in the above rejection.

Applicant argued that it seems illogical that a reference that cannot support an obviousness rejection would ever be asserted as anticipatory. The Examiner overlooked the references in the prior office actions; therefore, upon further consideration of the references, the Examiner was able to conclude that Berlit anticipated in the claimed language of the present invention.

Applicant argued that the present specification establishes that “the layer or layers of root-tip-trapping material of the root growth barrier may be any fabric that, when bonded to a layer of a root-impenetrable material on one side surface (i.e. face-to-face), will provide the bilayer composite with the capacity to trap an actively growing root tip between the fabric's fibers (within the fabric's openings) and against the root-impenetrable material.” (Specification, p. 6, ln. 7-11). There is no such material disclosed by Berlit. This argument or limitation was not incorporated in the claims to further define the material, i.e. polypropylene; therefore, since the claims are broad, the Examiner is interpreting the claims as broadly as they are being claimed. The claim merely states “a layer of a root-tip-trapping material bonded to a layer of a root-impenetrable material”, the material being “selected from polyester, polypropylene or other olefin fiber”, which is taught by Berlit.

Applicant argued that it is undisputed that Berlit discloses the use of polypropylene but there is no express or inherent basis to support either that Berlit's polypropylene is porous or a fabric. In addition to the definition attached herein, the Examiner is attaching an article obtained from the Internet (www.psrc.usm.edu/macrog/pp.htm) regarding polypropylene. Clearly from the definition and the article, polypropylene is definitely a fabric of fibers (see page 2 of the article, there's a diagram of the material having rubbery tethers). Therefore, it is inherent that polypropylene exhibit porous or fabric characteristic, so Berlit does not have to state so in his invention about the polypropylene being a fabric or not.

Applicant argued that it is improper to combine Berlit in view of Reiger and requests a reasoned statement of the alleged basis for a motivation to combine. Berlit teaches a plant container made out of layers of various or similar material such as polypropylene, PVC, polystyrene, etc. (page 2, lines 1-5 of Berlit). Reiger teaches a

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plant container made out of various material such as polypropylene, polyolefin, polyester, polyamide or mixtures thereof, polyester fibers, etc. Therefore, the motivation to combine is that it would have been obvious to one having ordinary skill in the art at the time the invention was made to employ various material for the plant container as taught by Reiger in place of the material of Berlitz et al., since it has been held to be within the general skill of a worker in the art to select a known material on the basis of its suitability for the intended use as a matter of obvious choice. By employing the known material as taught by Reiger into Berlitz's invention in no way alter the invention of Berlitz because Berlitz already stated that various material within the scope of the invention can be used, and some of the listed material in Berlitz is also taught in Reiger (such as the polypropylene).

Applicant argued that Reiger discloses a removable and reusable fabric liner that may be inserted into a pot, then later removed from the pot so that the liner can be easily removed from growing media by peeling the fabric away. (Reiger, col. 3, lines 61-63., and col. 8, lines 18-21). There is no motivation to combine references with such conflicting teachings. Reiger is relied upon for a teaching of various known material used to manufacture plant container and not on the fact that the liner is being removed from the pot. There is nothing conflicting about the two references for they are analogous art because both teaches a plant container manufacture from various known material and the container can be made with various layers. Berlitz states in his invention that various material can be used to make his plant container so he doesn't stress on the fact that it is critical to use only polypropylene; thus, modifying Berlitz with Reiger's material does not in any way alter Berlitz's invention.

Applicant argued that (col. 5, line 11)." (Office Action of Oct. 9, 2003 at pg. 6). First, Thomas actually teaches away from the use of cotton as either a root-growth resistant material or a root-tip-trapping layer, because Thomas says ,that th cotton would rot and then promote root growth rather than hinder root growth. (Thomas, col. 5, lines 10-13). Second, Thomas teaches that a synthetic cloth may be used to cover a root penetrable liner. Therefore, Thomas' teachings

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are in conflict with the solid pots of both Berlit and Reiger. Third, Thomas' permeable, root-penetrable liner results in air pruning of the roots of the plant. (Thomas, col. 3, lines 63-68). Accordingly, there is no suggestion to combine Thomas with Berlit, since Thomas is addressing permeable layers for air pruning and cording, whereas Berlit is using impermeable layers that do no pruning at all. Fourth, there is no suggestion that Berlit could coextrude cotton. Again, Thomas is relied solely upon a teaching of a known material, i.e. cotton, to manufacture plant container. It is true that Thomas states that he would not prefer cotton due to cotton would rot; however, he does state that cotton is used for plant container. Therefore, Thomas is relied on for this fact of a known material used in plant container. Berlit states in his invention that various material can be used to make his plant container so he doesn't stress on the fact that it is critical to use only polypropylene; thus, modifying Berlit with Reiger's material or Thomas's cotton teaching does not in any way alter Berlit's invention.

Applicant argued that et al. (as above) in view of Kalpin (US 3,094,81%. Berlit discloses "a plant container 10 of which the bottom wall and circumferential wall are formed in one piece." (Berlit, pg.1, lines 80-82 and Figure 1). Accordingly, there is no suggestion to combine Berlit with Kalpin for the purpose of sewing sheets together. Kalpin teaches a container for plant made out of semi-rigid sheets of material such as paper or cloth that are sewed together to form the container (col. 1, lines 62-71). The motivation to combine would be to provide a container that is easy to store and reduce shipping costs (col. 1, lines 13-15 of Kalpin).

Conclusion


14. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any

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extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

15. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Son T. Nguyen whose telephone number is (703) 305-0765. The examiner can normally be reached on Monday - Friday from 9:00 a.m. to 5:00 p.m. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Poon, can be reached at (703) 308-2574. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to Customer Service at (703) 872-9325. The official fax number is 703-872-9306.


Son T. Nguyen
Primary Examiner, GAU 3643
January 12, 2004